



Irritant

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1. PRODUCT NAME: **TRIMOL RESINS 15, 34, 35, 36, 40, 41**

2. COMPOSITION

Hazardous ingredient	CAS Nos.	Weight, %	Symbols	Risk Phrases
Bisphenol A and F epoxy Resins, diglycidyl ethers	25068-38-6, 68609-97-2, 28064-14-4	100	Xi (Irritant)	R36/38,43,51/53

3. HAZARD IDENTIFICATION



Irritant

Irritant
 Irritating to skin and eyes

4. FIRST AID

CONTACT WITH SKIN	Wash with plenty of soap and water.
CONTACT WITH EYES	Wash out with water for several minutes and seek medical advice.
INGESTION	Seek medical advice in the event of discomfort.
INHALATION	Remove to fresh air if fumes cause irritation of nose or throat.
OTHER INFORMATION	May aggravate existing respiratory problems.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Dry powder or foam. For small fires use CO ₂ . Never use water jet.
SPECIAL PROTECTIVE EQUIPMENT	For fires in confined spaces, use breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable protective clothing appropriate to the amount involved, which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear and overalls.
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(Contd.).

6.ACCIDENTAL RELEASE MEASURES (contd.)

ENVIRONMENTAL PRECAUTIONS Do not allow to enter public sewers and watercourses. If this cannot be avoided, inform the appropriate authority.

CLEAN-UP PROCEDURES Absorb in dry sand or earth or similar absorbents and shovel into a suitable closed container for disposal according to item 13.

7.HANDLING AND STORAGE

HANDLING PRECAUTIONS Observe good hygiene standards and minimise skin contact. Wear suitable protective clothing according to item 8.

STORAGE INFORMATION Keep containers tightly closed in a cool place, out of direct sunlight. Keep stored well ventilated.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION



Where prolonged or repeated exposure is likely, protective clothing should be worn, including eye protection, boots and PVC or synthetic rubber gloves. Wash hands and exposed skin before meals and after work. Do not eat, drink or smoke whilst handling the product. Do not wear contaminated clothing. Ventilate confined spaces thoroughly.

EXPOSURE LIMITS None prescribed in EH40. Slight irritant, not considered hazardous.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, golden liquid	Oxidising properties	None
Odour	Faint	Vapour pressure	1Pa (20°C)
pH	7 (50% suspension in water)	Relative density	1.2-1.13 (15°C)
Boiling point	Decomposes	Bulk density	Not Relevant
Melting point	Not Relevant	Viscosity	No data
Flash point	>150°C	Solubility	Insoluble in water
Autoignition temperature	No data	Partition coefficient	No data
Explosive properties	No data	Other data	

10. STABILITY/REACTIVITY

STABILITY	Stable under normal conditions of use.
CONDITIONS TO AVOID	High temperatures (degrades resin).
MATERIALS TO AVOID	Strong oxidising agents, acids and bases. Excess of hardener (uncontrolled polymerisation reaction).

11. TOXICOLOGICAL INFORMATION

Not available data on acute toxicity. Irritating to eyes. A mild skin irritant and mild sensitising agent.

12. ECOLOGICAL INFORMATION

MOBILITY	Low soil absorption.
DEGRADABILITY	Not easily biodegradable
ACCUMULATION	There is potential for bioaccumulation. Biomagnification is unlikely.
ECTOTOXICITY	Toxic to aquatic organisms: (TLm96: fish 1.2mg/litre, Daphnia 2.7 mg/litre, algae 9.4mg/litre)

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT:	Chemical residues are normally regarded as Special Waste. Dispose of in accordance with local and national regulations (incinerate or landfill).
DISPOSAL OF PACKAGING:	Uncleaned packaging should be treated as for the product.

14. TRANSPORT INFORMATION

UN No.	None assigned
PROPER SHIPPING NAME	Liquid epoxy resin
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous MFAG Table No. EmS No.
IATA/IACO	Not classified as hazardous
PACKING GROUP	
LABEL	No hazard label

6.ACCIDENTAL RELEASE MEASURES (contd.)

ENVIRONMENTAL PRECAUTIONS	Do not allow to enter public sewers and watercourses. If this cannot be avoided, inform the appropriate authority.
CLEAN-UP PROCEDURES	Absorb in dry sand or earth or similar absorbents and shovel into a suitable closed container for disposal according to item 13.

7.HANDLING AND STORAGE

HANDLING PRECAUTIONS	Ensure adequate ventilation in work areas. Keep away from sources of ignition – no smoking. Handle and open container with care
STORAGE INFORMATION	Keep containers tightly closed in a cool place, out of direct sunlight. Keep store well ventilated. Keep away from food and feeding stuffs.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear protective clothing, including eye protection, boots and PVC or synthetic rubber gloves. In case of insufficient ventilation, wear suitable respiratory protective equipment.

Wash hands and exposed skin before meals and after work. Do not eat, drink or smoke whilst handling the product.



EXPOSURE LIMITS None prescribed in EH40.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colourless liquid	Oxidising properties	None
Odour	Amine-like	Vapour pressure	6Pa (20°C)
pH	11.3 (50% in water)	Relative density	0.86-0.87 (20°C)
Boiling point	>200°C	Bulk density	Not Relevant
Melting point	Not Relevant	Viscosity	5mPa.s (25°)
Flash point	>108°C (CC)	Solubility	Miscible with water
Autoignition temperature	No data	Partition coefficient	No data
Explosive properties	No data	Other data	

10. STABILITY/REACTIVITY

STABILITY	Stable under normal conditions of use.
CONDITIONS TO AVOID	High temperatures, formation of aerosols, static discharges.
MATERIALS TO AVOID	Strong oxidising agents, acids and bases.

11. TOXICOLOGICAL INFORMATION

LD₅₀ (rat, oral): 910mg/kg. Eye irritation (rabbit): corrosive. Skin irritation (rabbit): corrosive.

Dermal sensitisation (guinea pig): sensitiser.

12. ECOLOGICAL INFORMATION

MOBILITY	Avoid subsoil penetration
DEGRADABILITY	Not easily biodegradable
ACCUMULATION	There is potential for bioaccumulation. Biomagnification is unlikely.
ECTOTOXICITY	Toxic to aquatic organisms. (LC ₅₀ (fish) 96h: 1000mg/litre, EC ₅₀ (daphnia) 24h: 31.5mg/litre EC ₅₀ (algae) 72h: 29.5mg/litre), IC ₅₀ (bacteria) 3h: 100mg/litre.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT:	Chemical residues are normally regarded as Special Waste. Incinerate in compliance with the Environmental Protection Act 1990 (Process Guidance Note IPR5/1)
DISPOSAL OF PACKAGING:	Uncleaned packaging should be treated as for the product. After cleaning, can be landfilled.

14. TRANSPORT INFORMATION

UN No.	2327
PROPER SHIPPING NAME	Trimethylhexamethylene diamines, solution
ADR/RID	Class 8. Item 53(c).
IMCO	Class 8. IMDG Code page 08243 MFAG Table No. 320 EmS No. 8.05
IATA/IACO	Class 8
PACKING GROUP	3
LABEL	Corrosive



15. REGULATORY INFORMATION

CLASSIFICATION Corrosive

LABEL INFORMATION

R34: Causes burns

R22: Harmful if swallowed.

R43: May cause sensitisation by skin contact.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice (show the label where possible).

Refer to other relevant legislation such as Health and Safety at Work etc Act (HSWA), the Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

16. OTHER INFORMATION

The information contained in this data sheet is to the best of our knowledge accurate at the date of publication, but we cannot accept responsibility that it is sufficient or correct in all cases.

The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.